

ArgoNeuT Status

Mitch Soderberg

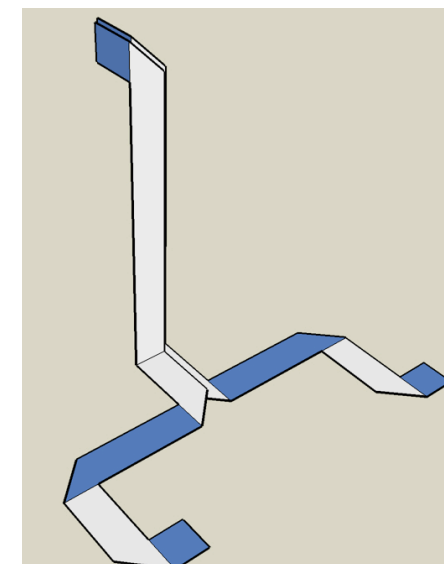
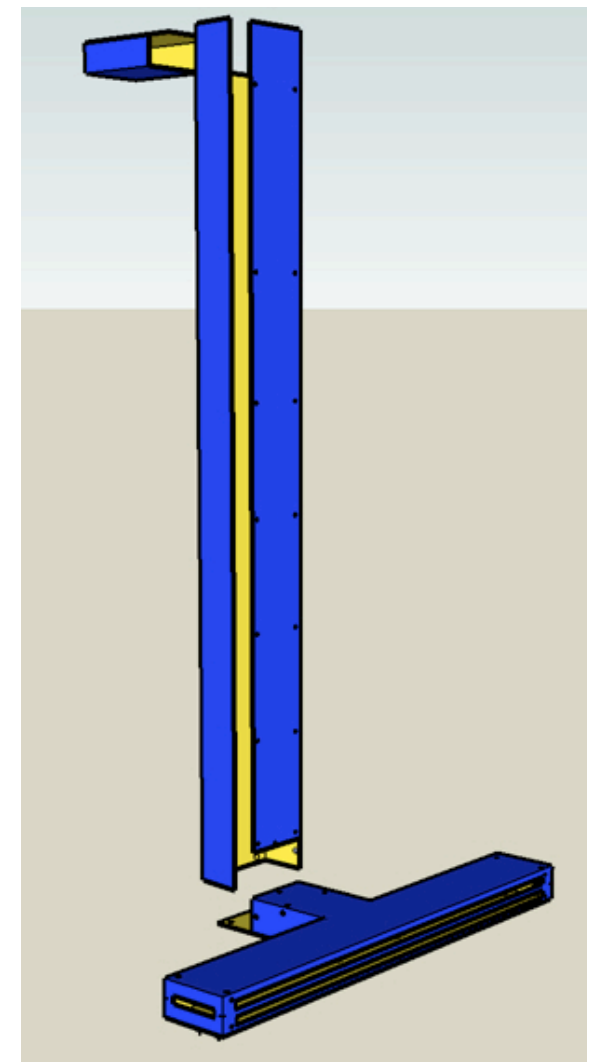
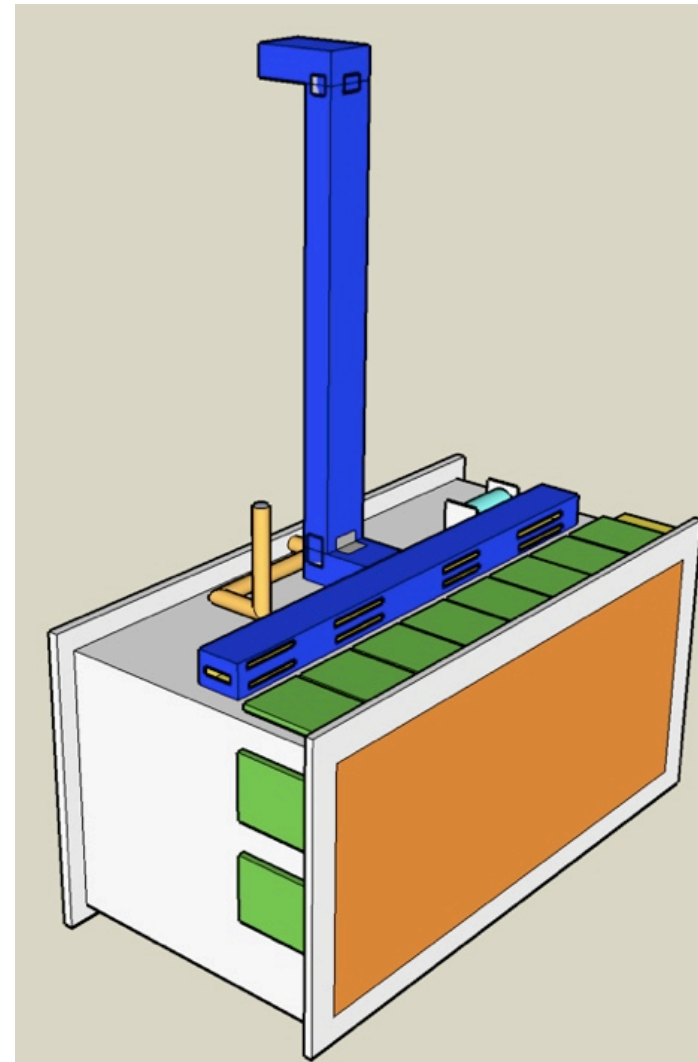
11/4/2008

Update

- Everything has been off/out of cryostat since mid-October.
- Several jobs are being worked on to get us ready for move underground.
 - ▶ Cable Tray
 - ▶ New cables
 - ▶ HV feedthrough
 - ▶ Purity Monitor
 - ▶ Heater reconfiguration
 - ▶ Fill-line reconfiguration
- Discussion with Minerva folks about being neighbors.
- Status of trigger hardware?

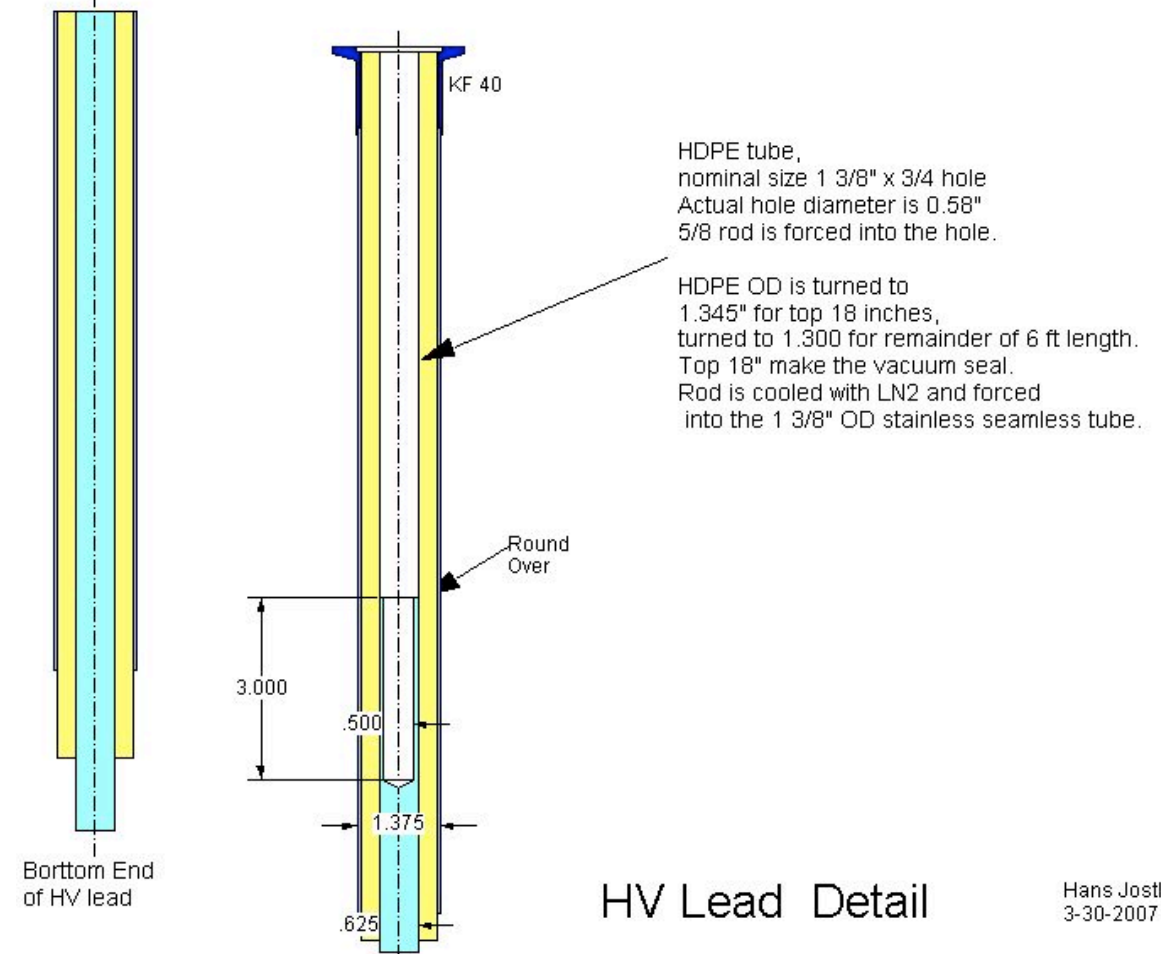
TPC Cable Tray

- Made some changes to initial design after discussions with Dan.
- Dropped off final design and G10 with Lab 8 before I left in October.
 - Pieces are done!
 - Assembly and installation should only take a few days.
- Curtis has cables and is waiting on me to give him the lengths to cut them to (today!).



HV Feedthrough

- Did some testing of existing HV feedthrough before we left. Cranked up HV in air, while monitoring voltage of "shield" layer of feedthrough. Saw evidence of arcing inside of the feedthrough once voltage was between 15-20kV....perhaps a tiny crack in the PEEK insulation?
- Pursuing making new feedthrough using Hans' design.
- Already have SS rod...need to have some machining done to it.
- Have been in touch with Hans about details...



Hans Jostlein
3-30-2007

Other Jobs

- When new fibers arrive (this week) Josh will test them and the purity monitor in the Bell jar setup. These fibers will replace the internal “bifurcated” fibers we had...both will go to the purity monitor.
- Bob has ordered new heaters to be positioned on outside of cryostat (and also a new one to replace the internal heater that looked to have burned up a bit).
- Fill line reconfigure?

Other Items

- Some discussions yesterday at MINOS Areas Meeting with Minerva folks regarding plans for us to sit between them and MINOS.
 - They want to be sure we can get in/out of our spot even after they install their Mirror Plate (metal plate to shield their PMTs from MINOS magnetic field). Voirin thinks this is not a problem.
 - They plan to put their Mirror Plate in about 1 month, and to being installing their tracking prototype in early Jan.
 - We may need to reconfigure our racks since space in the tunnel will be tight....
- Any news on the status of trigger hardware (Karol)?